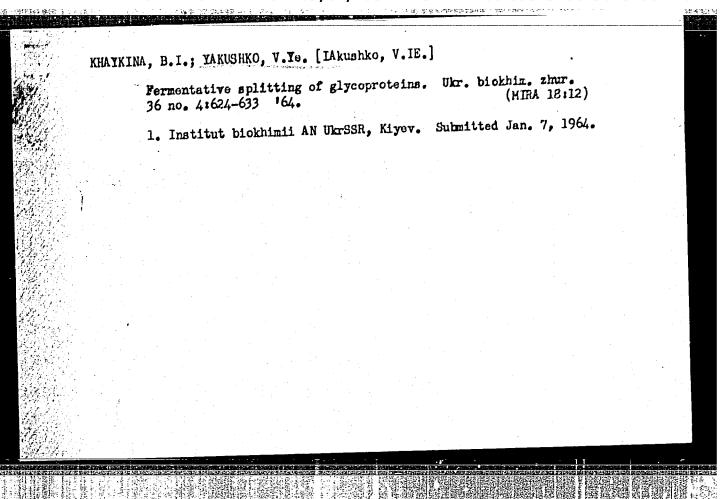
ACC NR: AP70047	62	SOURCE CODE: UR/0413/67/000/001/0074/0074
INVENTOR: Andrias	nov, K. A.; Yakushkin	ia, S. Ye.; Vardosanidze, Ts. N.
ORG: none	The state of the s	
in copy (THRCIEME	elementoorganicheskik	t-chain high molecular weight organosilicon ounced by Institute of Heteroorganic Compounds, kh soyedinenly AN SSSR)]
SOURCE: Izobreten	iya, promyshlennyye o	obraztsy, tovarnyye znaki, no. 1, 1967, 74
-or to tugo: ETSEL	omer, silicone, polys organotitanium compou	
ABSTRACT: An Authorhain high-moleculation of alkylarylcy produce elastomers mixture of arylalky uinolinolato)titan	or Certificate has be ar-weight organosilic yclosiloxanes in the with enhanced heat re ylcyclosiloxanes with nium or with (dimethy)	en issued for a preparative method for straight on elastomers. The method involves polymeriza- presence of alkali hydroxide catalysts. To esistance, the starting material used is a tris[(trimethylsiloxy)polydimethylsiloxano](8- lsiloxano)bis(8-quinolinelsto)titanous (61)
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ord 1/1		
		UDC: 678.84



APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001962020012-8"

s/0191/64/000/005/0067/0068

ACCESSION NR: AP4035110

AUTHOR: Komenskiy, I. V.; Tsepelev, A. S.; Yakushina, T. V.

TITIE: Textolite based on melamine-formaldehyde resin modified with acetome

SOURCE: Plasticheskiye massy*, no. 5, 1964, 67-68

TOPIC TAGS: textolite, melamine formaldehyde resin, modified melamine formaldehyde resin, acetone modified melamine formaldehyde resin, mechanical strength, impact strength, tensile strength, breakdown voltage, electrical property, heat stability, light stability, dielectric property, water resistance

ABSTRACT: A textolite was prepared from an acetone-modified melamine-formaldehyde resin, more stable in concentrated solvents than the unmodified, made according to earlier findings (I. V. Kamenskiy, Ye. P. Smirnova, A. S. Tsepelev, Plast. massy*, no. 2, 1960, and its physical mechanical and dielectric properties were investigated. A melamine-formaldehyde resin containing 9.9% formaldehyde and 2.3% acetone was formed at 70-75 C in 35-45 minutes at a pH of 7-7.5 using 2% (on the weight of the melamine) of a 25% solution of emmonia. The textolite containing 50% resin was made from cotton sheeting pressed at 150 C under 135 kgs/cm2

Card 1/2

ACCESSION NR: AP4035110

pressure with 5 minutes/mm holding. Water resistance of the textolite increased somewhat with increase in molding temperature. It has highly decorative properties and practically does not change upon prolonged irradiation by quartz mercury vapor lamps and under natural conditions. Its impact strength is 23 kgs.cm/cm², tensile strength 843 kgs/cm², Martens heat stability 187 C, specific surface resistance 5.6 x 1013 ohm, specific volume resistance 1.4 x 1013 ohm cm., dielectric permeability 5.4, breakdown voltage 10.9 kv/mm and are resistance 4 seconds (at 10 milliamps). Orig. art. has: no graphics.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 26May64

ENCL: 00

SUB CODE: MT, OC

NO REF SOV: OOL

OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8"

ZEMSKOV, Pavel Ivenovich; YAKUSHINA, Yelena Nikolayevna; KHARCHENKO, Yevgeniy Nikolayevich; ZUBENKO, I.F., dots., otv. red.; ALYABTYEV, N.Z., red.

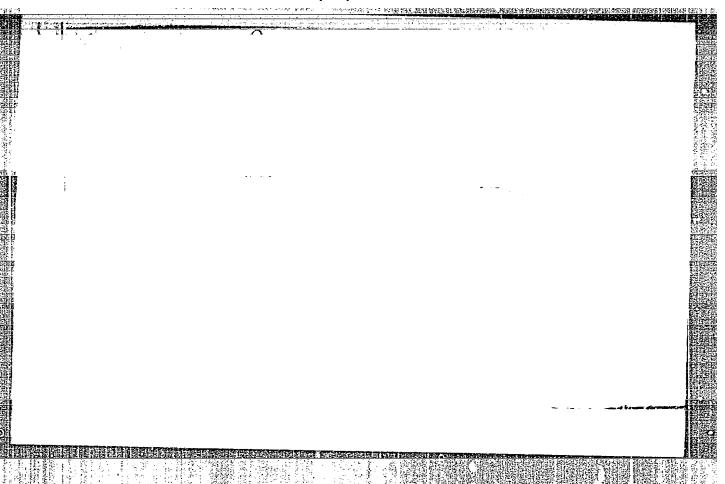
[Materials and coatings for the piston rings of motor-vehicle and tractor engines] Materialy i pokrytiia porshnevykh kolets avtotraktornykh dvigatelei. Khar'kov, Izdvo Khar'kovskogo univ., 1963. 129 p. (MIRA 17:8)

YAKUCHALIA, Ye.P.

Seasonal changes in the amine acid composition of multerry leaves.

Rauch.dokl.vys.chkoly; biel.nauki no.4:175-179 165.

1. Rekemendovana kafodrov organicheukov khimii Instituta
narodnogo khozyaystyn in. C.V.Fiehhanova.



YAKUSHKINA, Ye.P.

Assimilation of amino acids of food by the silkworm Bombyx mori. Nauch.dokl.vys.shkoly;biol.nauki no.3:102-105 58.
(MIRA 11:12)

1. Predstavlena laboratoriyey organicheskoy i biologicheskoy khimii Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni V.I.Lenina.

(Amino acid metabolism) (Silkworms)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8

VAKUSHKO, O.F.

自译制:

DEMENT'YEV, V.A., dotsent; POMANOVSKIY, N.T., dotsent; SHKLYAR, A.Kh., dotsent; YAKUSHKO, O.F., dotsent; RZHEUTSKIY, A.F., red.; STERZHANOV, P.M., tekhn.

[Tourist guide to White Russia] Turistskie marshruty po Belorusskoi SSR. Minsk, Gos.uchebno-; dagog.izd-vo M-va prosveshcheniia BSSR, 1957. 180 p. (MIRA 11:12)

1. Vsesoyuznyy tsentral'nyy sovet professional'kykh soyuzov. Turistsko-ekskursionnoye upravleniye. Minskaya ekskursionnaya baza.

(White Russia -- Guidebooks)

USSR / Soil Science. Genesis and Geography of Soils. J-1

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34308.

Author : Yakushko, O. F.

Inst : Belorussian University ...

: Soil-Georgraphic Zoning of Belorussian SSR. Title

Orig Pub: Uch. zap. Belorussk. un-t, 1957, vyp. 35, 47-59.

Abstract: On the territory of BSSR, the following soil zones have been established: 1. peaty, strong- and medium-podzolic argillaceous and loam soils; 2. peaty, medium-podzolic sandy loam soils; 3. weak- and medium-podzolic sandy soils, often swamped; 4. peat-sod swampy soils; 5. alluvial-meadowy soils of river valleys; 6. humus-carbonaccous (peaty) soils on carbonaceous varieties or subsurface waters saturated with Ca. Certain measures for the increase of fertility of the soils of the Republic are indicated. -- F. N. Sofiyeva.

Card 1/1

CIA-RDP86-00513R001962020012-8" APPROVED FOR RELEASE: 09/01/2001

YAKUSHKO, O.F.

Morphology of some lakes in northern White Russia. Trudy Goofaka BCW no.1:81-110 '58. (MIRA 12:8) (White Russia-Lakes)

Geomorphological observations of the northeastern part of Dzershinsk District. Trudy Geofaka BOU no.2:17-20 '58. (MIRA 13:5)
(Dzerzhinsk District (Minsk Province) Geology, Structural)

ZHUCHKMVICH, Vadim Andreyevich; YAKUSHKO, Ol'ga Filippovna [IAkushka, O.F.];
RZHZUTSKIY, A.F. [Rzheutski, A.F.], red.; SOSNOVICH, A.I.
[Sasinovich, A.I.], tekhn.red.

[Geography of the White Russian S.S.R.; textbook for the secondary school] Geografiia Belaruskai SSR; vuchebny dapamozhnik dlia siaredniai shkoly. Minsk, Dziarzh.vuchebna-pedagag.vyd-va M-va asvety BSSR, 1960. 72 p.

(White Russia -- Geography)

(MIRA 14:2)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8

ZHUCHKEVICH, Vadim Andreyevich; YAKUSHKO, O.F.

[Geography of the White Russian S.S.R.; textbook for eightyear schools] Geografiia Belorusskoi SSR; uchebnoe posobie dlia vos miletnei shkoly. Izd.3., dop. Minsk, Gos.uchebnopedagog. izd-vo, 1962. 91 p. (MIRA 17:4)

KHAYKINA, B.I.; YAKUSHKO, V.Ye. [IAkushko, V.IE.]

Brain polyglucosides. Ukr. biokhim. zhur. 36 no.5:665-672 '64. (MIRA 18:6)

1. Institut biokhimii AN UkrSSR, Kiyev.

KHAYKINA, B.I.; YAKUSHKO, V.Ye. [IAkushko, V.IE.]

Transglucosylase of the brain. Ukr.biokhim.zhur. 34 no.6:876-882 (MIRA 16:4)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.
(TRANSGLUCOSIDASE) (HRAIN)

TARASOVA, A.G.; KALUGINA, A.Ya.; YAKUSHKOVA, A.Ye.

Three-column continuous action apparatus for the production of acetic acid. Gidroliz. i lesokhim.prom. 18 no.1:24-25 '65. (MIRA 18:3)

1. Ashinskiy lesokhimicheskiy kombinat.

YAKUSHOV. B. I. [IAkushuu, B.I.]

Mobile phosphates in swamped soils developing from two-component parent materials--loam and clay. Vestsi AN BSSR. Ser.biial.nav. no.2:56-66 '59. (MIRA 12:9) (SOIL CHEMISTRY)

CIA-RDP86-00513R001962020012-8 115746 5/194/62/000/012/013/101 D201/D308 Application of continuous analog computers to statio Sokolov, N. I. and Yakushov, V. M. d.c. and a.c. simulator computations 9.7200 Referativnyy zhurnal, Avtomatika i radioelektronika, na. 12. 1962, 65-66, abstract 12-1-130 ya (Dokl. na. 12. 1962, Konferentsii po primeneniyu fiz. 3. Matem. 4-y Mezhvuz. v razlichn. otraalvakh takhn. 3. modelirovaniva v razlichn. otraalvakh AUTHORS: 4-y meznyuz. Konferentsil po primenenlyu 112, 1 Mare modelirovaniya v razlichn. otraslyakh tekhn. Sb. 2. TITLE: It is pointed out that the use of d.C. and a.c. simulators PERIODICAL: TEXT: It is pointed out that the use of d.C. and s.C. simulators in conjunction with continuous analogs results in quicker calculation of oroblems which are solved. It lations and increases the number of oroblems which are in conjunction with continuous analogs results in quicker calculations and increases the number of problems which are to several is shown that, in the calculation of s.c. currents due to several lations and increases the number of problems which are solved. It several to trical simulation of 'ideal' transformers or for automatic setting of operating conditions which satisfy the limiting conditions at Card 1/2 APPROMENTALISM REPAREDURE PARTIES OF THE PROPERTY OF THE PROPE 8/194/62/000/012/013/101 D201/D308

Application of continuous ...

the damaged point. The possibility of using these components for the reproduction of nonlinear static load characteristics is investigated. It is also shown that it is possible to take into account the real transformation coefficient when working with static a.c. simulator and to take into account the mutual inductance between the lines in null-to-sequence circuits, when the simulators are coupled with analogs. 2 references. / Abstracter's note: Complete translation.

Card 2/2

YAKUSHOVA, A. F. "On the protective role of surfacr formations in karst processes",

Idenshova, A. F. "On the protective role of surfacr formations in karst processes",

Trudy Laboratorii gidrogeol. problem im. akad. Saverenskogo (Akad. nauk SSSR, Otd-miye

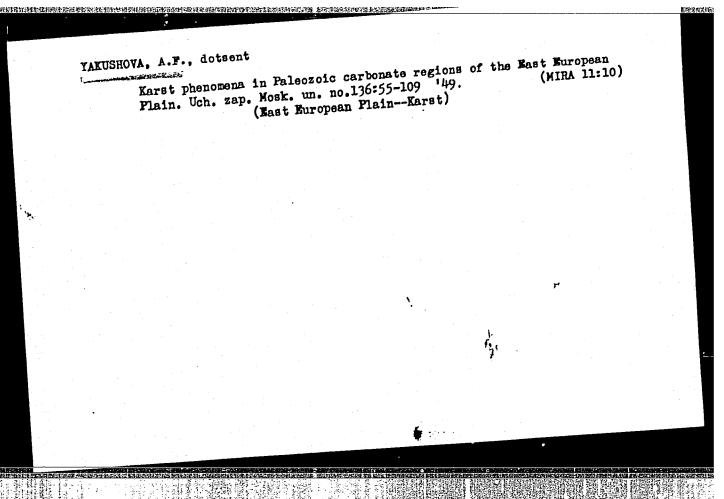
geol.-geogr. nauk), Vol. III, 1948, p. 343-52, - Bibliog: 5 items.

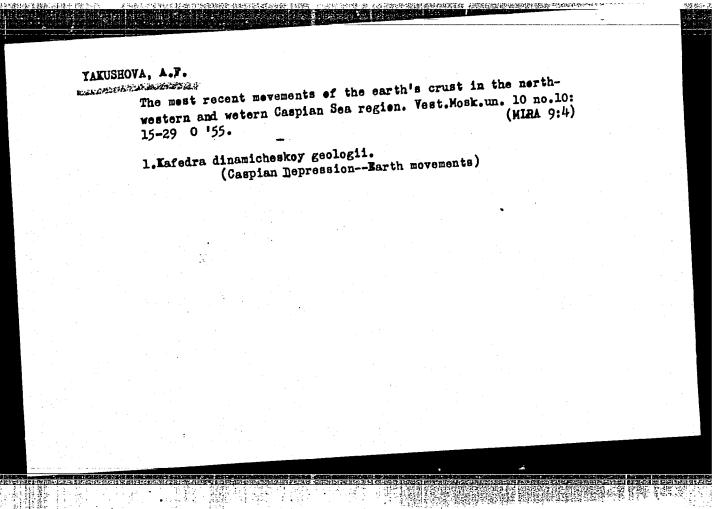
geol.-geogr. nauk), Vol. III, 1948, p. 343-52, - Bibliog: 5 items.

So: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh, Statey, No. 2, 1949).

Yakushova, A.F. "Karst and hydraulic construction", In the collection: Karstovedeniye, Yakushova, A.F. "Karst and hydraulic construction", In the collection: Karstovedeniye, Issue 4, Molotov, 1948, p. 3-13, - Bibliog: 18 items.

So: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)





YAKUSHOVA, Aleksandra Fedorovna, kandidat geologo-mineralogicheskikh nauk; GORSHKOV, G.P., doktor geologo-mineralogicheskikh nauk, nauchnyy redaktor; SKONECHNAYA, A.D., redaktor; YUSFINA, H.L. tekhnicheskiy redaktor.

[How mountains are destroyed] Kak razrushaiutsia gory. Moskva, Goskul'tprosvetizdat, 1957. 17 p. and 6 plates in portfolio. (MLRA 10:5)

(Mountains)

YAKUSHEVA, A.F.

13(5)

PHASE I BOOK EXPLOITATION

sov/1484

Gorshkov, Georgiy Petrovich, and Aleksandra Fedorovna Yakusheva

Obshchaya geologiya (General Geology) Moscow, Izd-vo Mosk. univ., 1957. 465 p. 18,000 copies printed.

Ed. (Title page): M.M. Charygin; Ed. (Inside book); K.A. Shilova; Tech. Ed.: V.P. Gur'yanov

PURPOSE: This work is intended as a textbook for students at the university level.

COVERAGE: This book constitutes an introductory course in geology, and is based on a series of lectures given by the authors at the geographical and geological faculties of the University of Moscow. The book is published under the auspices of the Ministry of Higher Education of the USSR as a textbook for state universities. Part I contains basic information on the forms, composition, dimensions,

Card 1/11

CIA-RDP86-00513R001962020012-8" **APPROVED FOR RELEASE: 09/01/2001**

General Geology

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and age of the earth. Part II describes exogenic processes, and Part III, endogenic processes. Chapters 1-3 and 11-17 were written by G.P. Gorshkov, Doctor of Geological and Mineralogical Sciences, and Chapters 4-10 and 18 by A.F. Yakushova, Docent with the Division of Dynamic Geology of the Moscow State University and a Candidate of Geological and Mineralogical Sciences. The authors express their gratitude to Academician D.I. Shcherbakov and M.M. Charygin of the Department of Geology of the Leningrad State University imeni A.A. Zhdanov for their assistance in reviewing and editing their book. There are 246 diagrams, 36 tables, and 185 Soviet references.

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From the authors

5

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PART I

GENERAL PROBLEMS

Ch. 1. Form and Size of the Earth Card 2/11

11

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8

YAKUSHOVA, A.F.

Formation of certain thermal springs in Red Basin (Chinese People's Republic). Nauch.dokl.vys.shkoly; geol.-geog.nauki no.1:222-225 '58. (MIRA 12:2)

1. Moskovskiy universitet, geologicheskiy fakulitet, kafedra dinamicheskoy geologii.
(Red Basin-Springs)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8[®]

YAKUSHOVA, A.F.

Neotectonics of eastern and central Ciscaucasia. Sov. geol. 3 no.8: 75-86 Ag 160.

1. Moskovskiy gosudarstvennyy universitet im. V.M. Lomonosova. (Caucasus, Northern-Geology, Structural)

SEMENOV, M.P.; SOKOLOV, D.S.; SHANTSER, Ye.V.; YAKUSHEVA, A.F.

Geological conditions in the Yangtze Valley from the point of view of hydraulic engineering. Trudy Lab. inthe gidrogeol. VODGEO no. 3:58-104 '60. (MIRA 14:4) (Yangtze Valley-Geology) (Hydraulic engineering)

Tpypu das. 104

YAKUSHOVA, A.F.; CHISTYAKOV, A.A.

Geomorphological features of recent uplifts. Yest. Mosk. un. Ser. 4: Geol. 15 no. 2:27-37 Mr-Ap 160. (MIRA 14:4)

l. Kafedra dinamicheskoy geologii Moskovskogo universiteta. (Geology, Structural)

BARSANOV, G.P.; BOCDANOV, A.A.; YERMAKOV, N.P.; KRASHENINNIKOV, G.F.;
SERGETEV, Ye.M.; SMIRNOV, V.I.; YAKUSHOVA, A.F.

International geological congress in Copenhagen. Vest. Mosk. un.
Ser. 4: Geol. 15 no.6:3-12 N-D '60.

(Geology-Congresses)

(Geology-Congresses)

YAKUSHOVA, Aleksandra Fedorovna, kand. geologo-mineralog. nauk; SMIRNOVA, N.P., red.; NAZAROVA, A.S., tekhn. red.

[Formation and disintegration of mountains] Obrazovanie i razrushenie gor. Moskva, Izd-vo "Znanie," 1961. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 12, Geologiia i geografii, no.9) (MIRA 14:5) (Mountains)

GORSHKOV, Georgiy Fetrovich, prof; YAKUSHOVA, Aleksandra Fedorovna, prof.; BELYAKOVA, Ye.V., red.; LAZAREVA, L.V., tekhn. red.

[General geology] Obshchaia geologiia. Izd.2. Moskva, Izd-vo Mosk. univ., 1962. 563 p. (MIRA 15:4)

1. Kafedra dipamicheskoy geologii Moskovskogo gosudarstvennogo universiteta (for Gorshkov, Yakushova).

(Geology)

YAKUBHOVA, A.F.

Methods for structural and geomorphological investigations in prospecting for oil and gas. Vest. Mosk. un. Ser. 4: Geol. 19 no.3:13-29 My-Je '64. (MIRA 17:12)

1. Kafedra dinamicheskoy geologii Moskovskogo universiteta.

YAKUSHOVA, A.F.; SYAGAYEV, N.A.; CHETYAKOV, A.A.; KONDAKOVA, L.P.; PILATOV, O.M.; ULITSKIY, YU.A.; SYRNEV, I.P.

Main characteristics of the geomorphology and recent testonics in the Volga-Don territory. Trudy Nilneftegaza no.13:171-136 165.

(MISA 18.9)

SUKACHEV, V.N.; BOGDANOV, A.A.; IVANOVA, I.K.; LAZUKOV, G.I.; NIKOLAYEV, N.I.;
YAKUSHOVA, A.F.; GELLER, S.Yu.; GRICHUK, V.P.; KOLESNIK, S.V.;
SOKOLOV, N.N.; LICHKOV, B.L.; GOPETSKIY, G.I.; SHOHUKIN, I.S.;
BYKOV, V.D.; SAUSHKIN, Yu.G.; GLAZOVSKAYA, M.A.; GVOZDETSKIY, N.A.;
TUSHINSKIY, G.K.

Konstantin Konstantinovich Markov's role in the creation and development of the paleogeography of the anthropogenic (the Quaternary) priod; on his 60th birthday and the 40th anniversary of scientific work. Izv. Vses. geog. ob-va 97 no.4:377-379 Jl-Ag *65. (MIRA 18:8)

GUECHEVSKIY, P.V., inzh.; YAKUSHOVA, K.A., inzh.

Equipment for the manufacture of large ingot molds in mechanized plants. Stal! 21 no.12:1134-1137 D '61. (MIRA 14:12)

Magnitogorskiy metallurgicheskiy kombinat.
 (Ingot molds)
 (Foundries—Equipment and supplies)

GUBCHEVSKIY, P.V., inzh.; KAZANOVSKIY, L.V., inzh.; NIKOL'SKIY, M.A., inzh.; YAKUSHOVA, K.A., inzh.

Casting of slab molds for large ingots of liquid blast furnace cast iron. Stal' 23 no.3:274-278 Mr '63. (MIRA 16:5)

1. Magnitogorskiy metallurgicheskiy kombinat i Ufaleyskiy metallurgicheskiy zavod.

(Ingot molds) (Iron founding).

17

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8

EWT(d)/FCC(w)/BDS AFFTO 8/0020/63/151/001/0076/0079 ACCESSION NR: AP3003506 AUTHOR: Yakut, L. I. TITLE: Control of convergence of difference schemes 1/0 SOURCE: AN SSSR. Doklady*, v. 151, no. 1, 1963, 76-79 TOPIC TAGS: finite-difference equation, Banach space, bounded operator ABSTRACT: The bounded operators $A_n(t)$ defined in a rather narrow subspace E_1 of a Banach space E are required to satisfy the uniform condition (1) of the enclosure. If L_n is the subspace on which $A_n(t)$ vanishes, set $S_n = E_1/L_n$. The following problem is considered: under what conditions the differential equation du/dt +A(t)u = f(t) in E reduces to the finite-difference equation (2) defined in S_n . The results obtained are applicable to the proof of the convergence of stable explicit difference schemes for boundary-value problems of the form (3). "The author expresses his sincere gratitude to S. G. Kreyn under whose direction the work was completed." The paper was presented by Academician I. G. Petrovskiy on 22 January 1963. Orig. art. has: 11 formulas. ASSOCIATION: none DATE ACQ: 30Jul63 SUBMITTED: 19Jan63 OTHER: NO REF SOV: 009

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UTHOR: Yakut, L. I.	_				
TITLE: Lax theorems for t	nonlinear evolution	ary equation	is ij		
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anyo hada tale differe	poe method finite	difference	scheme, evol	utionary	
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incar principal parts	du/dt + A(t) u = 0	p (t, u)	(1)		

(2)

10487-65 ACCESSION NR AP4041393

(u(t) is the function sought) and quasilinear equations

$$du/dt + B(t, u) u = 0.$$

Initially discussing equations of the form

$$Au/dt + A(t) u = f(t) \quad (0 < t \le T). \tag{3}$$

where A^tt is, for all $t \in [O, T]$, a linear unbounded closed operator defined in a Banach space E with dense domain of existence D(A) independent of t, and f(t) is a given function satisfying the initial condition

$$u(0) = u_6,$$
 (4)

the author states, without proof, conditions for convergence in norm of the solu tions of finite-difference analogue to the solutions of problems (3)-(4) and (1)-(4). The author also states, also without proof, conditions under which the finite difference analogue of the first boundary-value problem for equations of the form

$$\partial u.\partial t + \mathcal{T}(x, t, u) u = 0,$$
 (10)

where $\mathcal{L}(x, t, u)$ is a quasilinear elliptic operator with coefficients depending only

c-- 213

ACCESSION NR: AP4041393

on the unknown function u, converges to the solution of equation (10) with the

initial condition $u(0, x) = u_0(x)$

and the woundary conditions. "The author would like to express his great gratitube to the Riegh while whose direction this paper was written. Originari has 10 equations

AppOCIATION: Voronezhskiy gosudarstvenny*y universitet (Voronezh State University).

SUBMITTED: 30Jan64

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ACCESSION NR: AP3003506

8/0020/63/151/001/0076/0079

AUTHOR: Yakut, L. I.

52

TITLE: Control of convergence of difference schemes

BOURGE: AN SSSR. Doklady*, v. 151, no. 1, 1963, 76-79

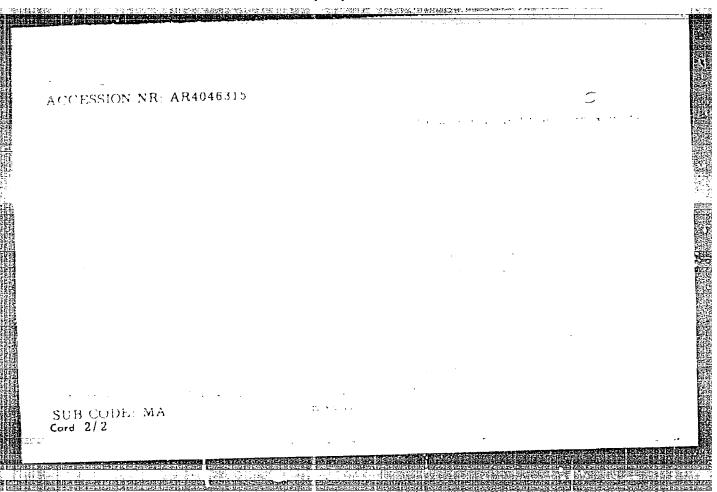
TOPIC TAGS: finite-difference equation, Banach space, bounded operator

ABSTRACT: The bounded operators $A_n(t)$ defined in a rather narrow subspace E_1 of a Banach space E are required to satisfy the uniform condition (1) of the enclosure. If L_n is the subspace on which $A_n(t)$ vanishes, set $S_n = E_1/L_n$. The following problem is considered: under what conditions the differential equation du/dt + A(t)u = f(t) in E reduces to the finite-difference equation (2) defined in S_n . The results obtained are applicable to the proof of the convergence of stable explicit difference schemes for boundary-value problems of the form (3). "The author expresses his sincere gratitude to S_n . G. Kreyn under whose direction the work was completed." The paper was presented by Academician I. G. Fetrovskiy on 22 January 1963. Orig. art. has: 11 formulas.

ASSOCIATION: none SUBMITTED: 19Jan63 SUB CODE: MM

DATE ACQ: 30Jul63 NO REF SOV: 009 ENCL: 01 OTHER: 005

DURCII Ref. 75. Matematika, Abs. 3B. (1	۶.
UTHOR: Yakut, L. I.	
UTHOR: Yakut, L. I. UTHOR: On the convergence of finite-difference methods	of solution of evolutional
ITLE: On the convergence of nine-difference	1 1 m t vv*n 7
quations ITED SOURCE: Rr. Seminara po funkts, analizu, Voron	nezhsk. un-t, vy p. v.
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SOV/137-59-2-4276

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 279 (USSR)

AUTHOR:

Yakuta, K. I.

TITLE:

Limitations in the Employment of Stamping Dies Made of Hard Alloys (Granitsy tselesoobraznogo primeneniya tverdosplavnykh shtampov)

PERIODICAL: V sb.: Elektr. i ul'trazvuk metody obrahotki materialov. Leningrad, Lenizdat, 1958, pp 187-194

ABSTRACT:

According to foreign and domestic experience, the over-all durability (D) of hard-alloy dies (HAD) is 20-30 times greater than that of steel dies, whereas their D between regrinding operations is 8 times as great. Compared with steel dies, the initial cost of the HAD's is 2-3 times as great; the cost of their regrinding exceeds that of steel dies by approximately 60%. On the strength of these data the following diagrams were plotted: 1) Relative cost of carbon, alloyed, and HAD's as referred to their total service life; 2) the D of the three types of dies; 3) the cost of the dies per 1000 manufactured articles. Graphs are also given for the above dies representing variations in cost during retooling of blanking and drawing dies in accordance with the complexity and thickness of articles to be manufactured. Limits

Card 1/2

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Limitations in the Employment of Stamping Dies Made of Hard Alloys

for economically rational employment of blanking and drawing HAD's consistent with the conditions of mass production were established per thousand manufactured articles.

A. F.

Card 2/2

MANAYEVA, Ol'ga Vasil'yevna; YAKUTA, Kira Ivanovna; GAVRILOV, R.A., red.; SOBOLEVA, Ye.M., tekhn. red.

[Economic calculations in the manufacture of electric and vacuum devices] Ekonomicheskie raschety v elektrovakuumnom proizvodstve. Moskva, Gosenergoizdat, 1963. 186 p.
(MIRA 16:8)

(Electric equipment industry) (Electron tubes)

ACC NR:

AR6035573

SOURCE CODE: UR/0044/66/000/009/V046/V046

AUTHOR: Yakutavichyus, A. Yu.

TITLE: Application of the space of tests for analysis of the code method of pattern recognition

SOURCE: Ref. zh. Matematika, Abs. 9V314

REF SOURCE: Sb. Avtomatika i vychisl. tekhn. Vil'nyus, 1965, 20-22

TOPIC TAGS: pattern recognition, test, statistics, code method, test space,

ABSTRACT: A method is studied which is based on the recognition of a series of pattern cross-sections with definite combinations of the repetition of black and white sectors (codes). There are S number of cross-sections (columns) and K number of codes. Thus, the pattern is a vector with coordinates $a_{ij} = 1$ or 0 ($i = 1, \ldots, s; j = 1, \ldots, k$). The reference vectors e_v ($v = 1, \ldots, m; m$ is the number of classes) are selected from statistics. The Hemming distance is used and the analysis of distances is carried out in subspace s of the measurements (from the basic space ks, the coordinate axes where $a_{ij} = 1$ are selected). Data

Card 1/2

UDC: 51:681, 14:155

ACC NR: AR6035573

of the analysis of 10 typewritten digits on the basis of 100 reproductions of each digit are presented. All the reproductions of digits 0, 1, 2, 3 are recognized on the basis of reproductions of digits 5, 6 and 9—98; for digits 4, 7, 8, the results are 99, 93, 96, respectively. There is a bibliography of 3 titles. [Translation of abstract]

SUB CODE: 09/

Card 2/2

YAKUTILOV - M.

Effect of the degree of erosion of soils on the yield of grain and oilseed crops in mountainous and piedmont regions of Tajikistan. Dokl. An Tadzh. SSR 2 no. 5:31-36 59. (MIRA 13:12)

1. Institut pochvovedeniya AN Tadzhikskoy SSR. Predstavleno akademikom AN Tadzhikskoy SSR I.N. Antipovym-Karatayevym. (Tajikistan--Crop yields) (Erosion)

USSR / Soil Science. Soil Genesis and Geography.

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Abs Jour: Ref Zhur-Biol., No 2, 1959, 6036.

Author : Yakutilov, M. R. Inst : Uzbek University.

Title : The Soil Cover of Bayram-Ali Alluvial Fan in

the Great Kara-Kum Canal Zone.

Orig Pub: Sb. stud. rabot Uzb. un-ta, 1956, vyp. 1, 91-94.

Abstract: The Bayram-Ali alluvial fan is one of the ter-

races in the Murgab River delta. The earth here has been irrigated in the past. It is classified as suitable for cotton after non-complex

ameliorations have been applied.

Card 1/1

YAKUTILOV, M.R.

Boil erosion in Fayzabad. Izv. Otd. est. nauk A Tadzh. SSR no. 24:47-56 '57. (MIRA 11:10)

1. Institut pochvovedeniya melioratsii i irrigatsii AN Tedzhikskoy SSR.

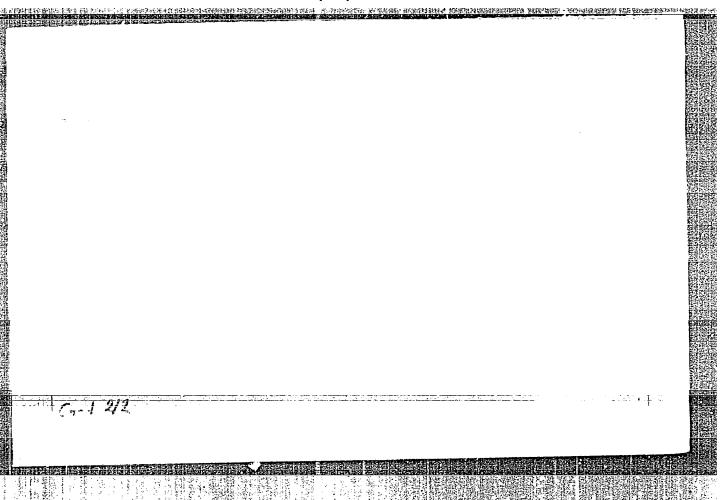
(Fayzabad District--Erosion)

YAKUTILOV, M.R.

Preliminary division of western Tajikistan into soil erosion districts. Dokl.AN Tadzh.SSR 1 no.4:27-31 '58. (MIRA 13:4)

1. Institut pochvovedeniya AN Tadzhikskoy SSR. Predstavleno akademikom AN Tadzhikskoy SSR I.N.Antipovym-Karatayevym. (Tajikistan--Erosion)

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YAKUTIN, L., starshiy matros

Toilers of the sea. Starsh.-serzh. no.6:21 Je '62. (MTRi 15:7)
(Diving, Submarino)

OVCHARENKO, I.Ye.; TUNITSKIY, L.W.; YAKUTIN, V.I.

Vibration constants and dissociation energy of the BeCl molecule.

Opt. i spektr. 8 no.6:746-751 Je '60. (MIRA 13:8)

(Silicon chloride--Spectra)

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5.4/30

Ovcharenko, I.Ye., Tunitskiy, L.N. ar Yekutin, V.I. AUTHORS:

TITLE:

Analysis of the Fine Structure of the SiCl Molecular Bands

PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 6, pp 746-751 (USSR)

ABSTRACT:

Four electron states ($X^2\Pi$, $B^2\Sigma$, $C^2\Delta$ and $D^2\Sigma$) of the SiCl molecule The vibrational constants of these four states are known (Refs 1-4). were reported by Jevons (Ref 4) and are listed in Table 1; the constants with question marks were considered unreliable by Jevons. The present paper reports new values of the rotational constants of the $B^2\Sigma$, $X^2\Pi_3/2$, $X^2\Pi_{1/2}$ states, derived from the rotational analysis of the (1, 0), (0, 0) and (0, 1) bands of the $B^2\Sigma \to X^2\Pi$ transition. The spectra of SiCl were excited in a quartz pulse-discharge tube, similar to one used earlier (Ref 5) and shown schematically in a figure on p 746. The tube was filled with a mixture of silicon tetrachloride and helium. The spectra were photographed with a DFS-3 spectrograph in the third order (dispersion of 0.57 Å/mm, resolving power of 432 000), and measured with a IZA-2 comparator (an iron arc spectrum was used as the wavelength standard, cf. Table 2).

card 1/2

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8/051/60/008/06/002/024 B201/B691

Analysis of the Fine Structure of the SiCl Molecular Bands

X

For the $I^2\Pi_1/2$ state the following rotational constants were obtained: $B_1 = 0.2550$, $\alpha = 0.0016$, $D_0 = 2.341 \times 10^{-7}$, $a = 0.004 \pm 0.001$ cm⁻¹; for $I^2\Pi_3/2$: $B_2 = 0.2556$, $\alpha = 0.0016$, $D_0 = 2.355 \times 10^{-7}$ cm⁻¹; for $B^2\Sigma$; B = 0.2782, $\alpha = 0.0015$, $D_0 = 1.752 \times 10^{-7}$ cm⁻¹ (Table 3). The wavenumbers of the (0.1), (0.0), (1.0) lines of the $2\Sigma \rightarrow 2\Pi_1/2$ transition were respectively 33662.0, 34193.6, 34892.2 cm⁻¹; for the $2\Sigma \rightarrow 2\Pi_3/2$ they were 33455.7, 33987.1, 34685.8 cm⁻¹, respectively. There are 1 figure, 3 tables and 6 references, of which 2 are Soviet, 3 English and 1 German.

SUEMITTED: July 20, 1959

Card 2/2

YAKUTINA, K.I., insh.-ekonomist

Decinomic officiency of using electric spark machining in making diss. Trudy LIEI no.18:121-139 157. (MIRA 12:9)

(Dies (Metalworking)) (Electric metal cutting)

YAKUTINA, M. F. Cand Med Sci -- (diss) "Vessels and nerves of Auterine scarf."

Mos, 1958. 13 pp (Min of Health USSR. Central Inst for the Advanced Training of Physicians), 200 copies (KL, 52-58, 108)

-140-

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020012-8

YAKUTKINA, N.A., kand.med.nauk

Dehiscence of the tympanic cavity in children. Zhur. ush., nos. i gorl. bol. 20 no.l:48-53 Ja-F '60. (MIRA 14:5)

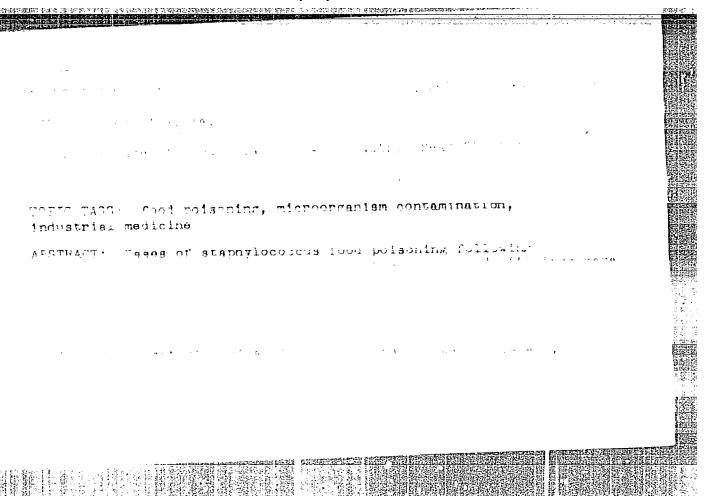
1. Iz kafedry normal'noy anatomii (zav. - zasluzhennyy deyatel' nauki prof. M.S.Spirov) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni akademika A.A.Bogomol'tsa. (EAR.—DISEASES)

YAKUTKINA, N.A., kand.med.nauk

1945年代的特别的国际制度与后当时的LEATHER THE SALES SALES (1945年) 1945年1945年1945年1945年1945年1945年

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1. Iz kafedry normal'noy anatomii (zav. - zasl. deyatel' nauki prof. M.S.Spirov) Kiyevskogo Ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni A.A.Bogomol'tsa. (EUSTACHIAN TUBES)

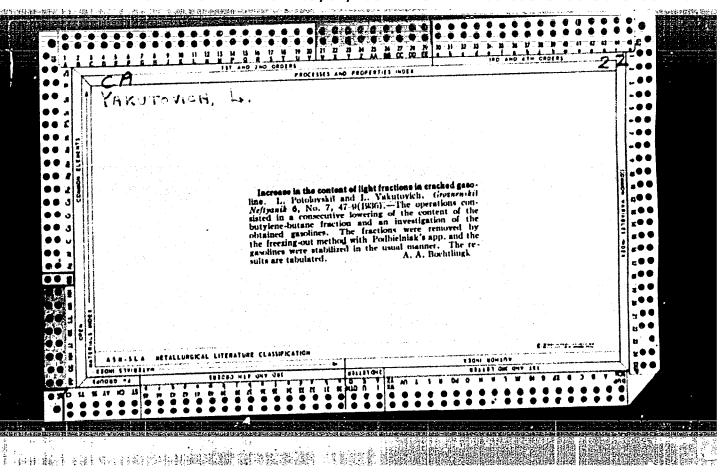


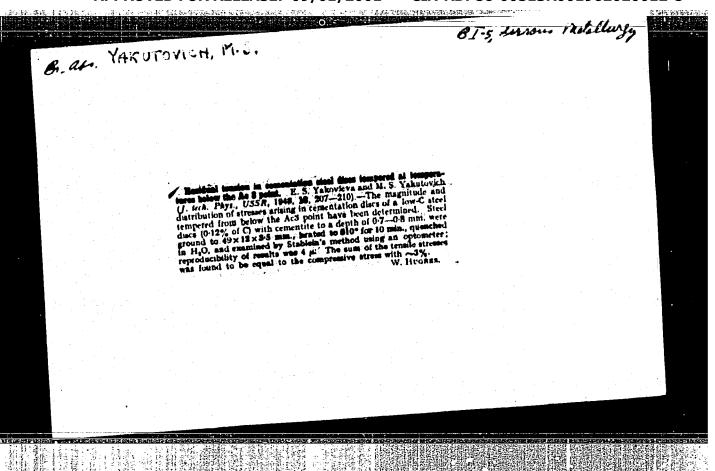
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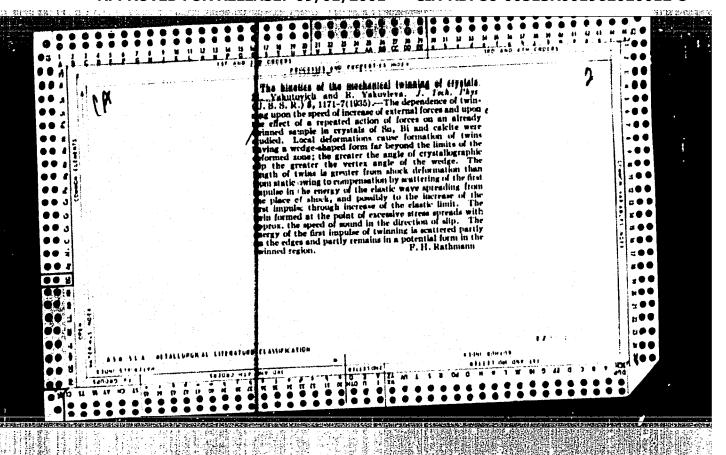
YAKUTOV, N. A.

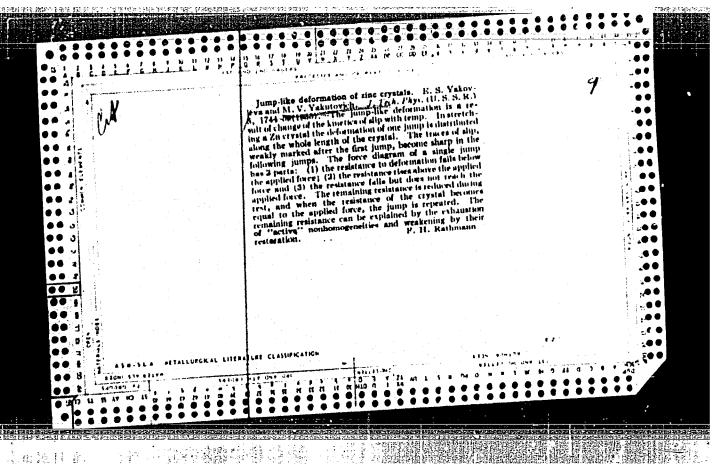
YAKUTOV, N. A. -- "Problems and Questions in the Process of Teaching Phonics in the Secondary Schools (Classes VIII-X)." Cand Pedagog Sci, Sci has Inst. of Teaching Methods, Acad of Pedagogical Sciences harba, however 1953. (Referativnyy Zhurnal--Fizika, Jan 54

<u>50: 3UM: 168, 22 July 1954</u>







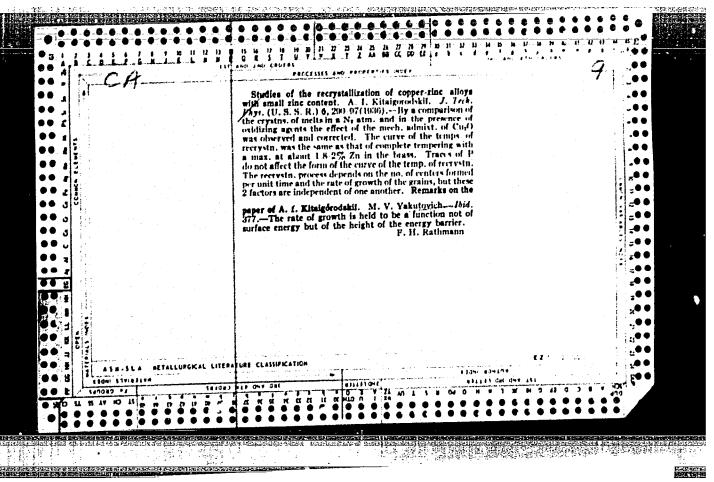


YAKUTÖVICH, M. V.

Studying the Process of Plastic Deformation b Means of a Microinterferometer in order to Investigate the Nature of the Sliding Process in Metals.

M: Problemy Sovremennoy Fiziki, 1936, Moscow, Leningrad

Soviet Source: Abstracted in USAF "Treasure Island" Report No. 60438, on file in Library of Congress, Air Information Division.



YAKUTOWICH, M. V.

Mechanism of Plastic Deformation. (Report at a Session of the Physical and Pathematical Sciences Department of the AN SSSR, Sverdlovsk).

AN SSSR (Physics Series) No 6, 843, 1937.

"Retionalization of the System of the Basic Characteristics of the "Retionalization of the System of the Basic Characteristics of the Michanical Properties of Mitals. (Report during a Session of the Physical and Mathematical Sciences Department of the AM SSSR, Swerdlovsk, May 1937).

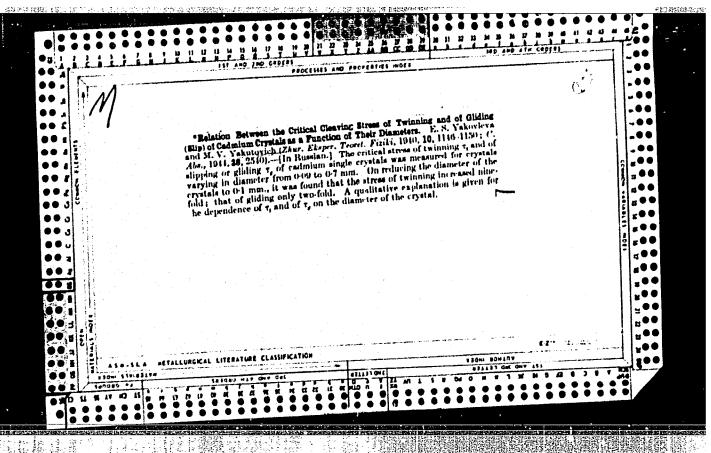
AM SSSR (Physics Series) No. 6, 1937, p 044

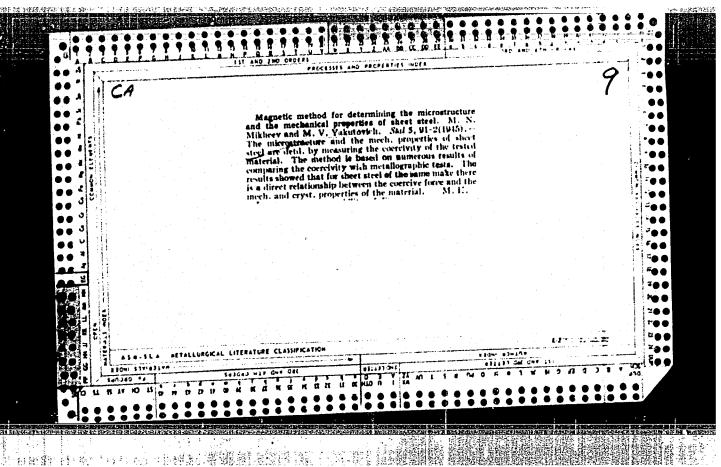
YAKUTOVICH, M. V., YAKOVLEVA, E. S., AVERKIYEV, V. S.

Apparatus for the Plotting of Texture Graphs. Zav. Labor, No 8, 643, 1939.

YAKUTOVICH, M. V., KURNOSOV, D. G.

Method of Measuring Stresses in the Surface Layer of Metal Products. Zav. Labor. No 10, 1939.





MARKELOV, V. V., YAKUTOVICH, M. V., VOSKRESENSKIY, V. N.

Dynamometer for Thin-Sheeted Lattices. Steel 5, 185, 1945.

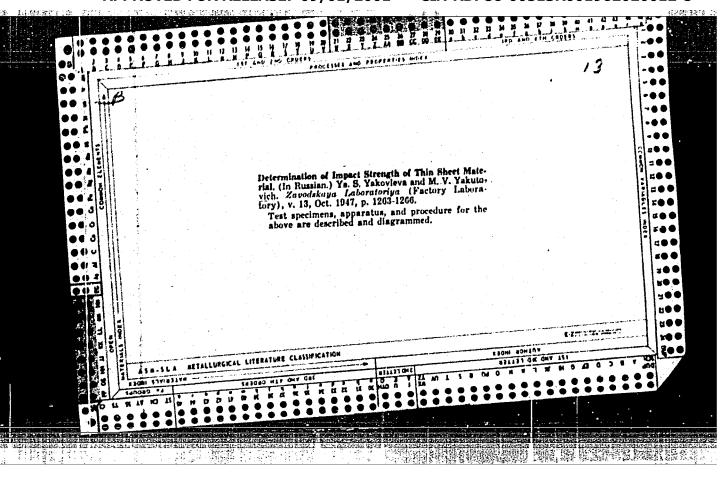
YAKUTOVICH, M.V.

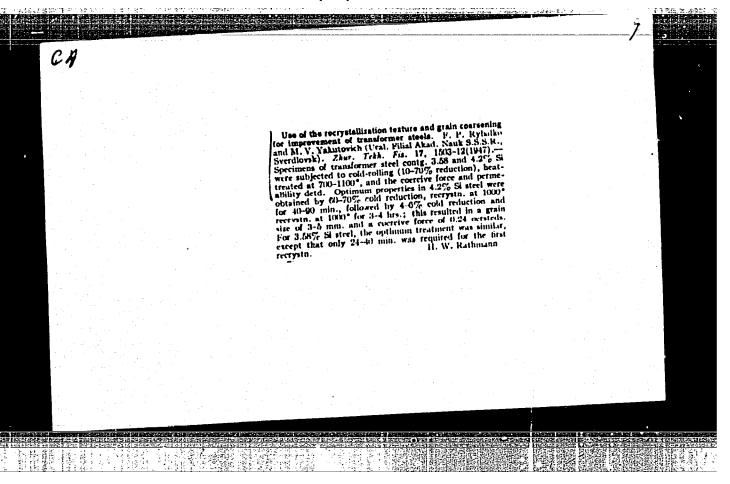
AVERKIYEV, V. S., KOLESNIKOV, G.N., PAVLOV, V. A., YAKUTOVICH, M. V.

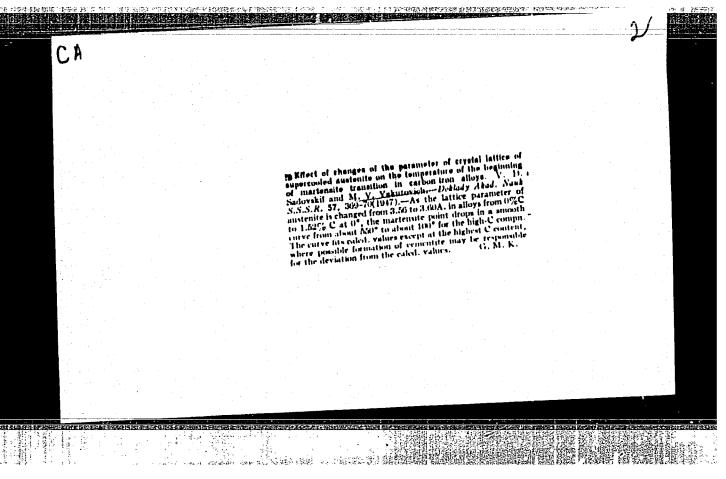
Plastic Deformation and Destruction of Polycrystallic Metals During Elongaton. I. Apparatus for the Elongation of Wires in a Wide Range of Temperatures and of Deformation Rates. Zhett 16, 1349, 1946.

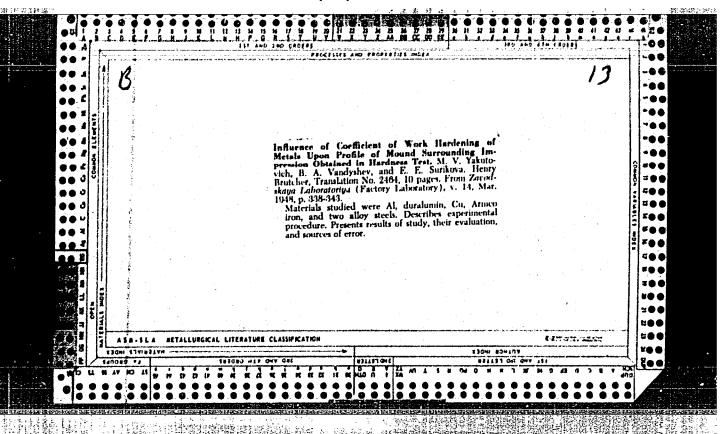
YAKUTOVICH, M.V. KOLESNIKOV, G. N., RYBALKO, F. P., YAKUTOVICH, M. V.

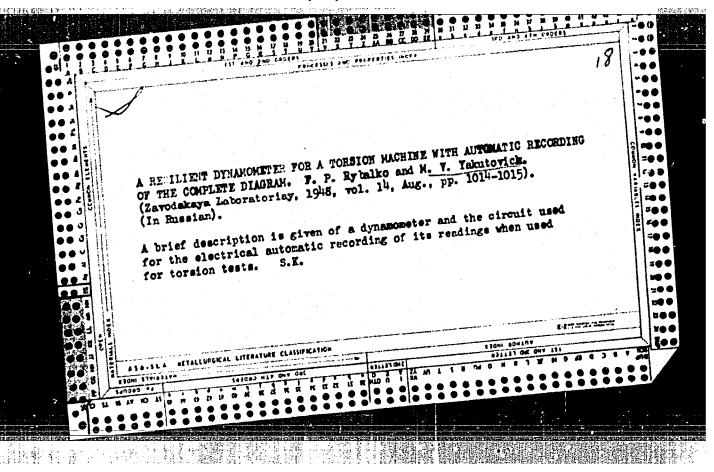
Simple Elastic Dynamometer for a Torsion Machine. Zav. Labor. No 13, 1947.











YAKUTOVICH, M. V.

USUR/Physics

Material Test Techniques

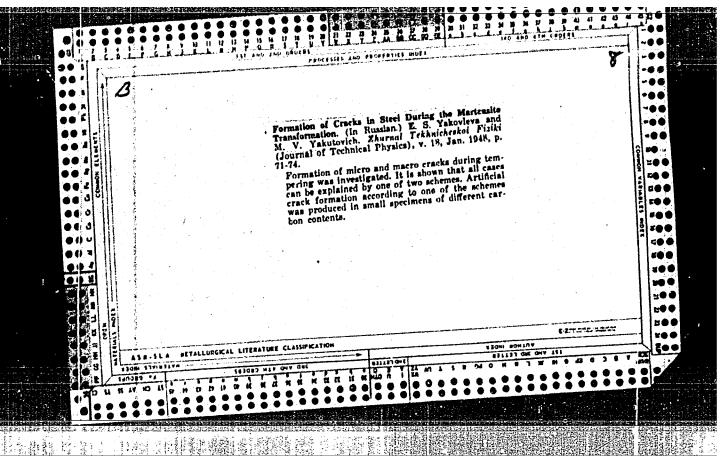
Dec 48

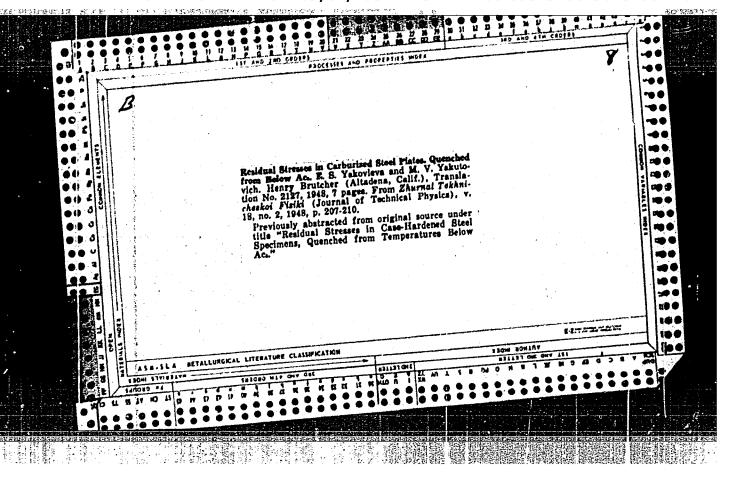
"Distribution of Cold Working Around A Conical Impression," F. S. Savitskiy, B. A. Bandyshev, H. V. Yakutovich, Sverdlovsk Affiliate, All-Union Sci Res Inst of Metrol, 31 pp

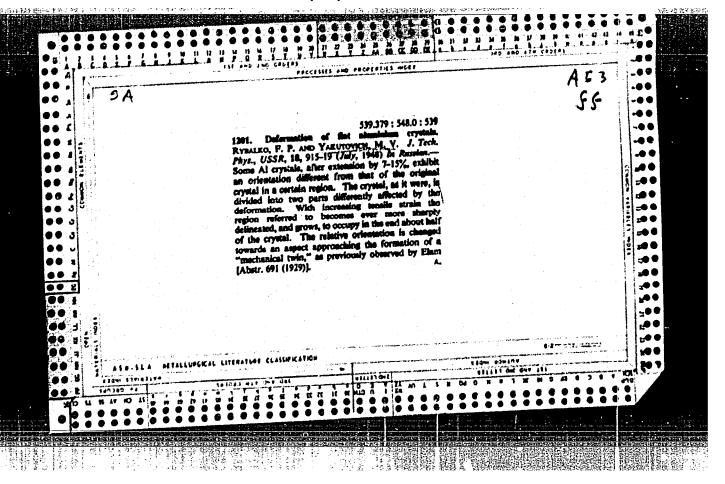
"Zavod Lab" Vol XIV, No 12

Conical Indentation was produced by pressure on a specimen of hardened and tempered steel having a fine-grained and homogeneous attracture. Diameter of the base of the indentation was 4 mm, and hardness of the area around this was determined with a Vickers hardness tester after mechanical and electrolytic polishing. Indentations were distributed radially around the edge of the hole at intervals of one mm, and results are presented in the form of lines of equal hardness. Similar tests were carried out on compressed specimens, and results of these are presented in the same way and in relation to deformation.

PA 49/49T103







YAKUTOVICH, IT. V.

USSR/Metals

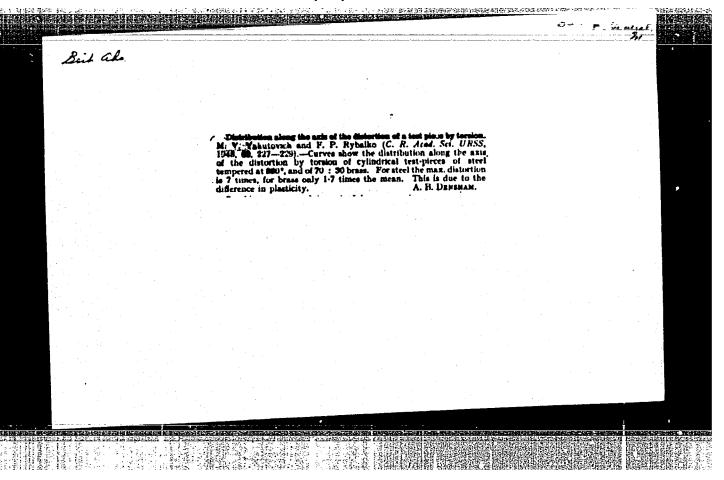
Steel, Silicon Stress Analysis Hov 1/3

"Expansion of polycrystalline Silicon Iron (4.2% Si) Within the Temperature Range -1950 to 800°C," G. N. Kolesnikov, E. S. Yakovleva, M. V. Yakutovich, Inst Phys of Metals, Ural Affiliate, Acad Sci USSR, Sverdlovsk, 7 pp

"Zhur Tekh Fiz" Vol XVIII, No 11

Expansion diagram of silicon iron shows los and high temperature types. Describes in detail state of diagram for various temperatures. Adduces temperature relationship, resistance to deformation, time deformation, proportional elongation, and sum of proportional and quasi-proportional elongations. Refutes the expression, suggested by F. F. Vitman, and V. A. Stepanov for relation of limits of yield to absolute temperature in wide interval of temperatures. Submitted 23 Apr 48

PA 18/49T92



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CIA-RDP86-00513R001962020012-8

YAKUTOVICH, M. V.

"USBR/Metals

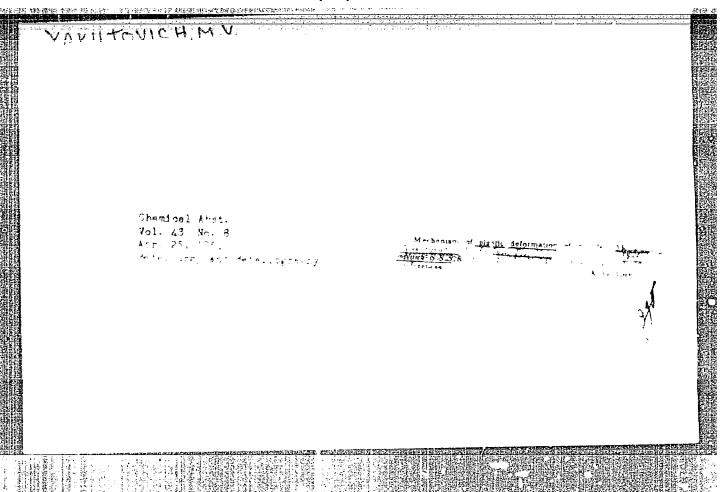
Stress Analysis
Plastic Deformation

"Plasticity of Steel During Deformation by Tension
and Torsion," M. V. Yakutovich, F. P. Rybalko,
Inst of Metallophys, Ural Affiliate, Acad Sci
USBR, Sverdlovsk, 2 pp

"Dok Ak Nauk SSSR" Vol IXI, No 2

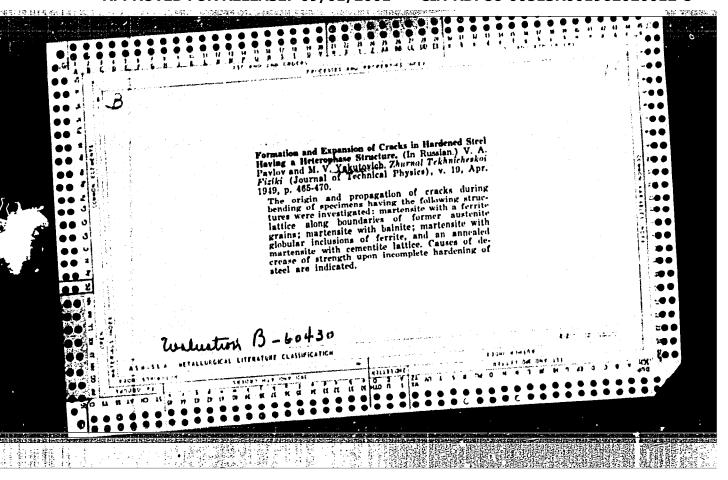
Determines maximum tensile and shear stresses for
E-10 ateel and "Khromasil'," cooled to various
temporatures. Plots results. Submitted 4 May 48.

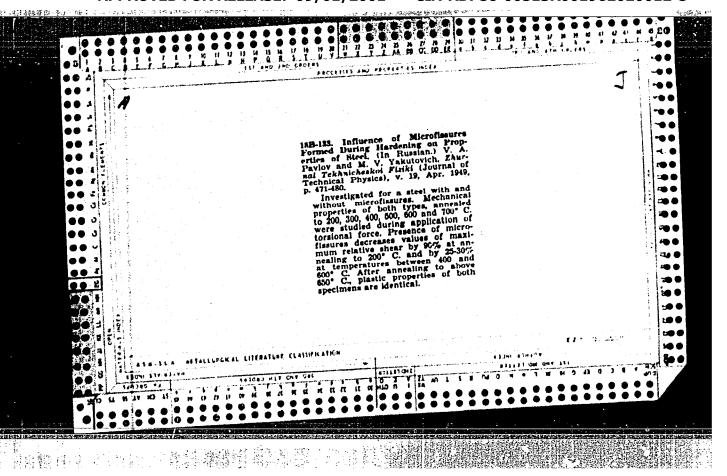
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YAKUTOVICH, N. V.

Apr 49

USSR/Physics
Steel - Torsion Tests
Metallography

"Influence of Tempering Micro-Craks Upon the Mechanical Properties of Steel in Torsion," V. A. Pavlov, N. V. Yakutovich, Inst Phys of Metals, Ukrainian Affiliate, Acad Sci USSR, 10 pp

"Zhur Tekh Fiz" Vol XIX, No 4

Prepared two types of sepcimens of type 60C2 steel: (1) quenching-cracks, 120 - 130 microcracks per sq mm of slide surface and (2) without micro-cracks, with same metallographic structure and micre-hardness. Studies mechanical properties of both types of specimen in torsion after tempering at 200, 300, 400, 500, 600 and 700° C. Showed that presence of micro-cracks decreases maximum relative shear by 90% after tempering at 200° and by 25 - 30% after tempering in 400 - 600° range. Reduction of stresses at rupture (by 15 - 20%) was noticed only after tempering at 200°. After tempering above 650°, properties of both groups of specimens are identical. Submitted 1 Dec 48.

PA 48/49T103